

HENRY FORD COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS

The following courses will transfer into Detroit Mercy's Engineering programs [Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems]. Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional HFC courses that apply toward a Detroit Mercy engineering degree (currently up to 76 Detroit Mercy credits-varies by program).

Contact the Transfer Team if you have any questions: transferteam@udmercy.edu or 313-993-1940.

Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

Henry Ford College Courses	Detroit Mercy Equivalencies	Core Areas
SPC 131 Fundamentals of Speaking	CST 1010 Fundamentals of Speech	A1
ENG 132 College Writing and Research	ENL 1310 Academic Writing	A2
Satisfied by program requirement	Quantitative & Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical & Probabilistic Reasoning course	B2
Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2
PHIL 130 Intro to Philosophy	PHL 1000 Intro to Philosophy	D1
WR 130, 131, 232, 233, 235, 236, 240, 280	Choose 1 Religious Knowledge course	D2
PHIL 131, 133, 135, 137, 201; WR 130, 131, 232, 233, 235, 236, 240, 241, 280	Choose 1 PHL/RELS Elective course	D3
HIST 111, 112, 113, 151, 152, 258, 261, 270, 285, 286	Choose 1 Historical Experiences course	E1
ENG 231, 232, 233, 235, 237, 241, 248; HON 251	Choose 1 Literary Experiences course	E2
ART 121, 122, 123, 130, 135, 221, 224-227, 2901, 2902; HUM 101; INTR 280; MUS 130, 132, 133, 232, 233; TCM 132, 235; THEA 131, 132, 238 Architectural Engr - satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3
BEC 133, 151, 152	One of these courses may be used as Core E only for student completing an Associate in Science degree/Pre-Engineering and following the Articulation Agreement.	E1, E2, E3
Satisfied by program requirement	Ethics course	F1

Courses which fulfill Detroit Mercy Core Curriculum Integrating Theme Requirements

Henry Ford College Courses	Detroit Mercy Equivalencies	Core Areas
Satisfied by program requirements		IT1, IT2, IT3, IT5, & IT6
ENG 248; PSY 161, 251, 253 (some of these also fulfill a Knowledge Area requirement as shown above)	Choose 1 Human Difference course	IT4

MTA Students only: Transfer students who satisfy the **Michigan Transfer Agreement** (MTA) will have the Core Curriculum Knowledge Area requirements met (listed above). Fulfilling the Core Integrating Theme requirements is still necessary. Students should select courses that meet both the MTA and program specific requirements.

These courses fulfill requirements for Detroit Mercy's Engineering programs:
All Engineering Disciplines

Henry Ford College Courses			Detroit Mercy Equivalencies		
CHEM	141	Princ of Gen & Inorganic Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MATH	180	Calculus I	MTH	1410	Analytic Geometry & Calculus I
MATH	183	Calculus II	MTH	1420	Analytic Geometry & Calculus II
MATH	280	Calculus III	MTH	2410	Analytic Geometry & Calculus III
MATH	288	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHYS	231	Engineering Physics I	PHY	1600/1610	General Physics I/Lab
PHYS	232	Engineering Physics II	PHY	1620/1630	General Physics II/Lab

Additional Courses for Architectural Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
*ART	102	Drawing I	ARCH	1110	Visual Communication I
ACT	101	Fundamentals of Architecture	ARCH	1190 Intro Arch I AND ARCH 1290 Intro Arch II	
ACT	116	Basic Arch CAD AND ACT 136 Intermed Arch CAD	ARCH	2110	Visual Communication III
DRAF	120	Intro CAD AND ENGR 130 Intro Engr	ENGR	1000	Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
ENGR	240	Circuits	ENGR	3200/3210	Principles of Electrical Engr/Lab
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					

Additional courses for Civil Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
BIO	131, 138, 150, 152	(or another approved biology course)	Choose 1 approved Biology course		
DRAF	120	Intro CAD AND ENGR 130 Intro Engr	ENGR	1000	Ethics Engr AND ENGR 1050 Engr Grph/Dsgn
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics

Additional courses for Electrical Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
CIS	170 AND CIS 230	C Prog/C++ Programming	CSSE	1712 AND CSSE 1722	Intro Programming I & II
ENG	135	Bus & Tech Writing & Research	ENL	3030	Technical Writing
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	240	Circuits	ELEE	2500/2510	Fund Electrical & Computer Engr I/Lab

Additional courses for Mechanical Engineering

Henry Ford College Courses			Detroit Mercy Equivalencies		
CIS	170	C Programming	CSSE Elective – fulfills programming requirement		
ENGR	130	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ENGR	201	Science of Materials	ENGR	3170	Science of Materials
ENGR	232	Statics	ENGR	3120	Statics
ENGR	233	Dynamics	ENGR	3130	Dynamics
ENGR	240	Circuits	ENGR	3200/3210	Principles of Electrical Engr/Lab

Additional courses for Robotics & Mechatronic Systems Engineering

Henry Ford College Courses	Detroit Mercy Equivalencies
CIS 170 AND CIS 230 C Prog/C++ Programming	CSSE 1712 AND CSSE 1722 Intro Programming I & II
ENG 135 Bus & Tech Writing & Research	ENL 3030 Technical Writing
ENGR 130 Introduction to Engineering	ENGR 1080 Fundamentals of Engineering Design
ENGR 232 Statics	ENGR 3120 Statics
ENGR 233 Dynamics	ENGR 3130 Dynamics
ENGR 240 Circuits	ELEE 2500/2510 Fund Electrical & Computer Engr I/Lab

Entrance Requirements:

- Minimum 2.5 GPA based on 24 or more credits earned at HFC (and/or other accredited institutions).
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to Detroit Mercy at udmercy.edu/admission/apply; the application is free.